

•
•
•

Lake Okeechobee

Public Water Supply Intakes

- City of South Bay
- City of Okeechobee
- City of Clewiston
- City of Belle Glade
- City of Pahokee

•
•
•

Project Objectives

- Insure continuous and uninterrupted water supply to existing utilities with surface water sources, as a result of forecast low lake stages.
- Minimize risk of delay with 60 day implementation period.
- Design addresses low lake stage of 6.0 feet.
- Design will result in long term service to accommodate potential multi-year low lake stages.

City of Okeechobee

Raw Water Intake

- Proposed work includes construction of new wetwell with submersible pumps and approximately 400 feet of gravity intake line.
- Low quote of \$573,724 submitted by contractor E.T. MacKenzie, Bradenton, FL

City of South Bay

Raw Water Intake

- Work included the replacement of three platform mounted turbine pumps capable of pumping to the low water stage of 6.0 ft.
- Work completed by WRO personnel
- Equipment costs under \$30,000
- Ongoing structural investigation of pump platform stability

•
•
•

City of Clewiston

Raw Water Intake

- Proposed work includes construction of new electric motor driven, platform mounted turbine pump located in the Rim Canal.
- Low quote of \$340,000 by Murphy Construction Company, W. Palm Beach, FL

City of Belle Glade

Raw Water Intake

- Proposed work includes construction of new electric motor driven, platform mounted turbine pumps located in the Rim Canal.
- Low quote of \$305,000 by Edens Construction Company, South Bay, FL

City of Pahokee

Raw Water Intake

- Proposed work includes construction of new wetwell with submersible pumps and approximately 200 feet of gravity intake line.
- Low quote of \$465,000 by Acutec Group, Ft. Lauderdale, Florida.

•
•
•

Alternatives

- Site conditions required alternative designs
- Multiple alternatives were quoted for Clewiston and Belle Glade due to preferred alternatives by cities
- Low quote determined selected alternative for site

•
•
•

Contingency Plans

- **Required if existing pump station fails prior to completion of proposed work.**
- **Involves mobilization and operation of portable diesel engine driven pumps.**
- **Services would be initiated under a construction contract.**

•
•
•

Current Status

- Pahokee experienced shut down of pumps on May 3. The City's portable pump was mobilized and operated until lake levels were favorable for priming of plant's existing pumps.
- Okeechobee is observing vortex formation in their existing wetwell. Preparation to mobilize portable pump equipment has been initiated.
- Belle Glade has two pumps shut down. The third and last pump is being operated at slow speed to avoid cavitation. Mobilization of a portable pump unit is scheduled for Friday, May 11.

•
•
•

Schedule

- **Quotes opened April 24, 2001**
- **Limited Notice to Proceed to acquire authorized equipment.**
- **Notice to Proceed with project scheduled for May 10, 2001.**
- **Substantial Completion of all work in 60 days.**
- **15 additional days allowed for pump delivery and testing.**